

CLAIMS

1. An electronic display device (20) including a display member (21), said device being characterized in that said display member (21) is permanent so that no energy is required to keep the display unchanged, said display device (20) operating without a battery, the energy required to change the display being created by interaction between two elements, such as by friction or by an impact, thereby creating an electric pulse, said pulse being processed by an electronic circuit (25) before being applied to the display member (21) in order to change its display.
2. A display device according to claim 1, in which said display member (21) is of the liquid crystal display (LCD) type.
3. A display device according to claim 1 or claim 2, in which said display member (21) includes bistable nematic crystals.
4. A display device according to any preceding claim, in which said display device (20) forms part of a dose indicator or counter for a fluid dispenser device.
5. A fluid dispenser device comprising: a body (1); a fluid reservoir (10); a dispenser member (15), such as a pump or a valve; and a dose counter for counting the number of doses that have been dispensed or that remain to be dispensed from the reservoir (10), said device being characterized in that said dose counter includes a display device (20) according to any preceding claim.
6. A dispenser device according to claim 5, in which the interaction between two portions (10, 11; 1, 2) of said device moving relative to each other while the device is being actuated, is transformed by an electromechanical

converter into an electric pulse used to change the display.

5 7. A dispenser device according to claim 5 or claim 6, in which the electric pulse required to change the display is created by a striker pin (11) that is displaced against a contactor (2) while the dispenser device is being actuated.

10 8. A dispenser device according to claim 7, in which said contactor (2) is held stationary relative to the body (1), and said striker pin (11) co-operates with a spring (12).